

a layer covering tops of elements of said second array; and
a spring for suspending said first array relative to said second array, said
spring being attached to said layer.

3 *2*
~~6.~~ (Amended) The deformable mirror according to claim ~~5~~, wherein said
stationary elements and said movable elements are circular.

4 *2*
~~7.~~ (Amended) The deformable mirror according to claim ~~5~~, wherein said
stationary elements and said movable elements are planar.

5 *2*
~~8.~~ (Amended) The deformable mirror according to claim ~~5~~, wherein said layer
is attached directly to said reflective surface.

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~~9.~~ (Amended) A deformable mirror comprising:
a vertical electrostatic comb drive;
a reflective surface attached to said vertical comb drive, wherein said
vertical comb drive comprises a first array of stationary elements and a second
array of moving elements correspondingly interspersed with said first array, said
reflective surface being attached to said second array and defining a plane;
said vertical comb drive, when actuated, displacing said surface in a direction
orthogonal to the plane thereof;

a layer covering tops of elements of said second array; and
a post attaching said layer to said reflective surface.

6 *2*
~~11.~~ (Amended) The deformable mirror according to claim ~~5~~, wherein voltage
is applied to each stationary element of said first array individually or each
moving element of said second array individually.

sub F 14. (Twice Amended) A deformable mirror comprising:
a vertical electrostatic comb drive including an array of vertical comb actuators, wherein said vertical comb drive includes a first array of stationary elements and a second array of moving elements correspondingly interspersed with said first array;
a reflective surface attached to said vertical comb drive, said reflective surface being attached to said second array and defining a plane, said reflective surface being displaced in a direction orthogonal ^{to the plane} thereof when said vertical comb drive is actuated; and
springs for individually suspending each of said second array of each actuator in said array.

Ex 16. (Thrice Amended) The deformable mirror according to claim 5, wherein said vertical electrostatic comb drive comprises plurality of cavities and teeth interdigitally mounted with said cavities, said reflective surface being attached to said teeth.

Ex 17 23. (Amended) The displaceable surface of claim 29 ¹⁶ wherein the vertical electrostatic comb drive is provided on a substrate and said surface is generally parallel to said substrate.

Ex 18 24. (Amended) The displaceable surface of claim 29 ¹⁶ wherein said displaceable surface includes plural vertical electrostatic comb drives to which said surface is attached, each said vertical electrostatic comb drive locally displacing said surface in a direction generally orthogonal to a plane generally defined by said surface.

Ex 20 26. (Twice Amended) The displaceable surface of claim 29 ¹⁶ further comprising a mirror mounted substantially parallel to said surface.

Sub F₂

29. (Amended) A displaceable surface comprising:
a vertical electrostatic comb drive;
a surface attached to said vertical comb drive, wherein said vertical comb
drive comprises a first array of stationary elements and a second array of moving
elements correspondingly interspersed with said first array, said surface defining
a plane and being attached to said second array, said surface being displaced in
a direction orthogonal ^{to the plane} thereof when said vertical electrostatic comb drive is
actuated;
a layer covering tops of elements of said second array; and
a spring for suspending said first array relative to said second array, said
spring being attached to said layer.

30. (Amended) The displaceable surface according to claim 29, wherein said
stationary elements and said movable elements are circular.

31. (Amended) The displaceable surface according to claim 29, wherein said
stationary elements and said movable elements are planar.

32. (Twice Amended) The displaceable surface according to claim 29, wherein
said layer is attached directly to said ~~reflective~~ surface.

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Sub F₃

33. (Thrice Amended) A displaceable surface comprising:
a vertical electrostatic comb drive;
a surface attached to said vertical comb drive, wherein said vertical comb
drive comprises a first array of stationary elements and a second array of moving
elements correspondingly interspersed with said first array, said surface defining
a plane and being attached to said second array, said surface being displaced in
a direction orthogonal to the plane thereof when said vertical electrostatic comb
drive is actuated;

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1 Wind*
~~a layer covering tops of elements of said second array; and
a post attaching said layer to said reflective surface.~~

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35. (Amended) The displaceable surface according to claim 29, wherein voltage is applied to each stationary element of said first array individually or each moving element of said second array individually.

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36. (Amended) The displaceable surface according to claim 29, wherein said vertical comb drive comprises an array of vertical comb actuators.

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38. (Amended) A displaceable surface comprising:
a vertical electrostatic comb drive including an array of vertical comb actuators;

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a surface attached to said vertical comb drive, wherein said vertical comb drive comprises a first array of stationary elements and a second array of moving elements correspondingly interspersed with said first array, said surface defining a plane and being attached to said second array, said surface being displaced in a direction orthogonal to the plane thereof when said vertical electrostatic comb drive is actuated; and

springs for individually suspending each of said second array of each actuator in said array.

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39. (Twice Amended) The displaceable surface according to claim 38, further comprising an anchor for supporting said springs.

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40. (Twice Amended) The displaceable surface according to claim 29, wherein said vertical comb drive comprises plurality of cavities and teeth interdigitally mounted with said cavities, said surface being attached to said teeth.

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44. (Amended) The displaceable surface of claim 29, wherein said surface is
reflective.

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